

Device and Method for Actuating a Brake System for Automotive Vehicles

Abstract of The Invention

The present invention relates to a device for actuating a brake system to accomplish a brake assist function, especially for automotive vehicles. The movement of a brake pedal by the driver can be sensed by way of a travel sensor and supplied to the brake system by way of a signal line. Depending on the brake pedal movement determined by the travel sensor, a control unit can either change or reduce a damping effect and/or a counterforce of the brake pedal or augment a brake force acting in the system so that the stopping distance of the automotive vehicle is shortened in a safe and comfortable manner. In particular, the driver exercises total control of the braking operation, even when the brake assist function is activated.